



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Tischler und Sohn (USA) Ltd.
Six Suburban Avenue
Stamford, CT 06901

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Mahogany Impact" Outswing Wood Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1530, titled "Out-Swing Impact Wood Casement Window", sheets 01 through 10 of 10, dated 04/03/08, with revision "B", dated 09/04/13, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Wedel (Schleswig-Holstein), Germany, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 13-1105.08 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
7/2/14

NOA No. 14-0428.22
Expiration Date: January 08, 2019
Approval Date: July 10, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 08-0804.14)
2. Drawing No. 1530, titled "Out-Swing Impact Wood Casement Window", sheets 01 through 10 of 10, dated 04/03/08, with revision "B1", dated 09/04/13, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 13-1105.08)

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of fixed and operable wood casement windows, prepared by Architectural Testing, Inc., Test Report No. ATI-77324.01-109-18, dated 06/30/08, signed and sealed by Michael D. Stremmel, P. E.
(Submitted under NOA No. 08-0804.14)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, prepared by W.W. Schafer Engineering & Consulting, P. A., dated 07/24/08, and updated to FBC-2010 on 10/28/13, signed and sealed by Warren W. Schafer, P. E.
(Submitted under previous NOA No. 13-1105.08)
2. Glazing complies with ASTM E1300-04/ 09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 12-1231.10 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 03/28/13, expiring on 05/21/16.
2. Notice of Acceptance No. 12-1231.08 issued to Eastman Chemical Company (MA) for their "Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 03/28/13, expiring on 12/11/18.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0428.22
Expiration Date: January 08, 2019
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F. STATEMENTS

1. Statement letter of conformance, and compliance with **FBC 5th Edition (2014)**, issued by W. W. Schaefer Engineering & Consulting, P.A., dated 05/15/14, signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of conformance, and compliance with **FBC-2010**, issued by W. W. Schaefer Engineering & Consulting, P.A., dated 09/03/13, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 13-1105.08)
3. Statement letter of independence and no financial interest, issued by W. W. Schaefer Engineering & Consulting, P.A., dated 09/04/13, signed and sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 13-1105.08)
4. Distributor Agreement between Tischler und Sohn (USA), Ltd., Connecticut, USA, and Tischler/ Cornelius Korn, G.m.b.H., Wedel (Schleswig-Holstein), Germany, dated 04/13/09, signed by Tim Carpenter and Wilhelm Korn, respectively.
(Submitted under previous NOA No. 11-1101.10)
5. Laboratory addendum letter for Test Report No. **ATI-77324.01-109-18**, issued by Architectural Testing, Inc., dated 11/20/08, signed and sealed by Michael D. Stremmel, P. E.
6. *(Submitted under NOA No. 08-0804.14)*
7. Laboratory compliance letter for Test Report No. **ATI-77324.01-109-18**, issued by Architectural Testing, Inc., dated 07/01/08, signed and sealed by Michael D. Stremmel, P. E.
(Submitted under NOA No. 08-0804.14)

G. OTHERS

1. Notice of Acceptance No. **13-1105.08**, issued to Tischler und Sohn (USA), Ltd. for their Series "**Mahogany Impact Wood Outswing Casement Window – L.M.I.**", approved on 12/26/13 and expiring on 01/08/19.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0428.22
Expiration Date: January 08, 2019
Approval Date: July 10, 2014

GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE 7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

CORNER CONSTRUCTION:

RECTANGULAR FRAME CORNERS: MORTISE & TENON CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

ARCHED FRAME CORNERS: ARCHED FRAME BUTTED TO STRAIGHT FRAME, JOINED WITH ONE(1) NO.14 X 3" WOOD SCREW, & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

HALF ROUND FRAME CORNERS: FINGER JOINT CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

RECTANGULAR SASH CORNERS: MORTISE & TENON CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

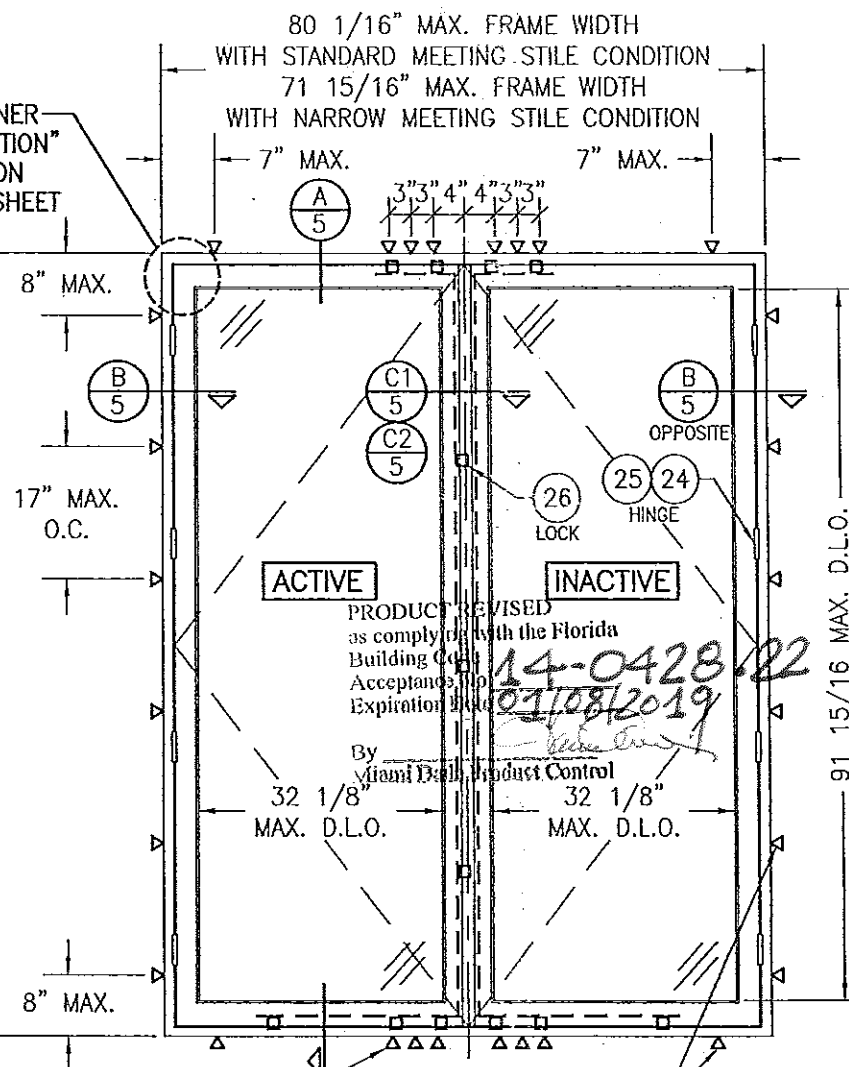
ARCHED SASH CORNERS: ARCHED SASH BUTTED TO STRAIGHT SASH, JOINED WITH ONE(1) NO.14 X 3" WOOD SCREW, & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

HALF ROUND SASH CORNERS: FINGER JOINT CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

4 ANCHORS REQUIRED AT MEETING STILE ENDS WHEN WINDOW FRAME WIDTH IS 74" OR LESS OR WHEN FRAME HEIGHT IS 93" OR LESS; 6 ANCHORS REQUIRED OTHERWISE.

SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET

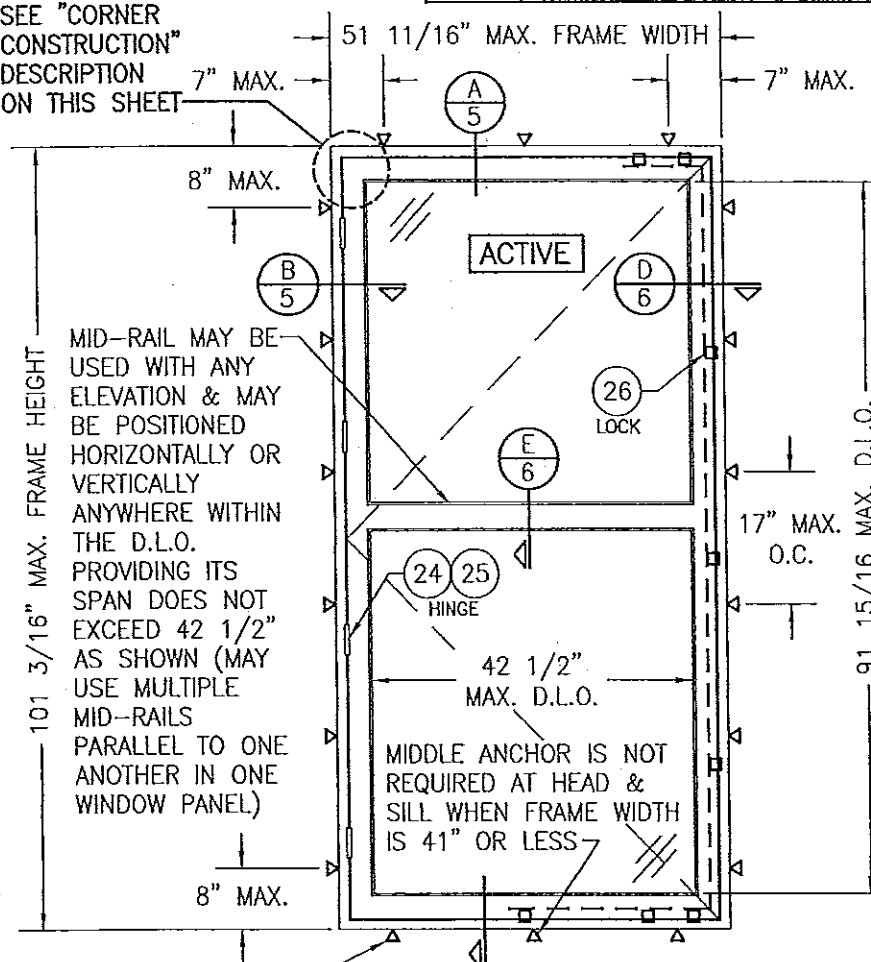
101 3/16" MAX. FRAME HEIGHT WITH STANDARD MEETING STILE CONDITION
72 3/4" MAX. FRAME HEIGHT WITH NARROW MEETING STILE CONDITION



EXTERIOR ELEVATION;
DOUBLE RECTANGULAR CASEMENT WINDOWS
SCALE: 1/2" = 1'-0"

SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET

MID-RAIL MAY BE USED WITH ANY ELEVATION & MAY BE POSITIONED HORIZONTALLY OR VERTICALLY ANYWHERE WITHIN THE D.L.O. PROVIDING ITS SPAN DOES NOT EXCEED 42 1/2" AS SHOWN (MAY USE MULTIPLE MID-RAILS PARALLEL TO ONE ANOTHER IN ONE WINDOW PANEL)



EXTERIOR ELEVATION;
SINGLE RECTANGULAR CASEMENT WINDOW
SCALE: 1/2" = 1'-0"
NOTE: WINDOW IS SHOWN WITH A MID-RAIL CONDITION. FULL LIGHT CONDITION ALSO APPLIES.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/BACKET TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS/WOOD SCREW OR 1/4" BTI SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	(2) 1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	(2) 1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) 1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
INSTALLATION CLIP SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 X 1 1/2" SMS	1 3/8"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	(2) 12-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	(2) 12-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) 12-14 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
BTI BRACKET & ANGLE CLIP SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 1/8"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).			
(2) ALL SELF TAP/DRILLING SCREWS SHALL BE MIN. GR. 5			

ALLOWABLE DESIGN PRESSURE (SINGLE & DOUBLE WINDOWS)

MAX. FRAME HEIGHT (IN.)	MAX. FRAME WIDTH (IN.)	ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
SINGLE WINDOW			
101 3/16	51 11/16	(2) 70	(2) 70
77 3/16	37 3/16	70	(1) 85
DOUBLE WINDOW			
101 3/16	80 1/16	70	70
77 3/16	72"	70	(1) 85
(1) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WHEN GLASS OPTION 2 & STANDARD SIZE MEETING STILES ARE USED			
(2) WITH FULL SIZE SINGLE WINDOWS USING GLASS OPTION 4, ALLOWABLE PRESSURE MUST BE REDUCED TO +/-66 PSF. PRESSURE MAY BE INCREASED TO +/-70 PSF IF THE D.L.O. WIDTH IS DECREASED TO MAX. 39.5" OR THE D.L.O. HEIGHT IS DECREASED TO MAX. 87".			

SASH WIDTH & HEIGHT DIMENSIONS ARE APPROXIMATELY 3" LESS THAN THE FRAME WIDTH & HEIGHT

LOCK STRIKE REQUIREMENTS (TOP OF PANEL)

SASH WIDTH	QUANTITY PER PANEL
RECTANGULAR PANEL	
OVER 24"	2
LESS THAN 24"	1
ARCH TOP PANEL	
OVER 28"	3
15" TO 28"	2
LESS THAN 15"	1
ROUND TOP PANEL	
OVER 32"	4
20" TO 32"	3
12" TO 20"	2
LESS THAN 12"	1

LOCK STRIKE REQUIREMENTS (LOCK SIDE OF PANEL)

SASH HEIGHT	QUANTITY PER PANEL
ALL PANEL SHAPES	
OVER 77"	3
40" TO 77"	2
LESS THAN 40"	1

LOCK STRIKE REQUIREMENTS (BOTTOM OF PANEL)

SASH WIDTH	QUANTITY PER PANEL
ALL PANEL SHAPES	
OVER 32"	3
24" TO 32"	2
LESS THAN 24"	1

HINGE REQUIREMENTS

(1) SASH HEIGHT	QUANTITY PER PANEL
OVER 74"	4
47" TO 74"	3
LESS THAN 47"	2

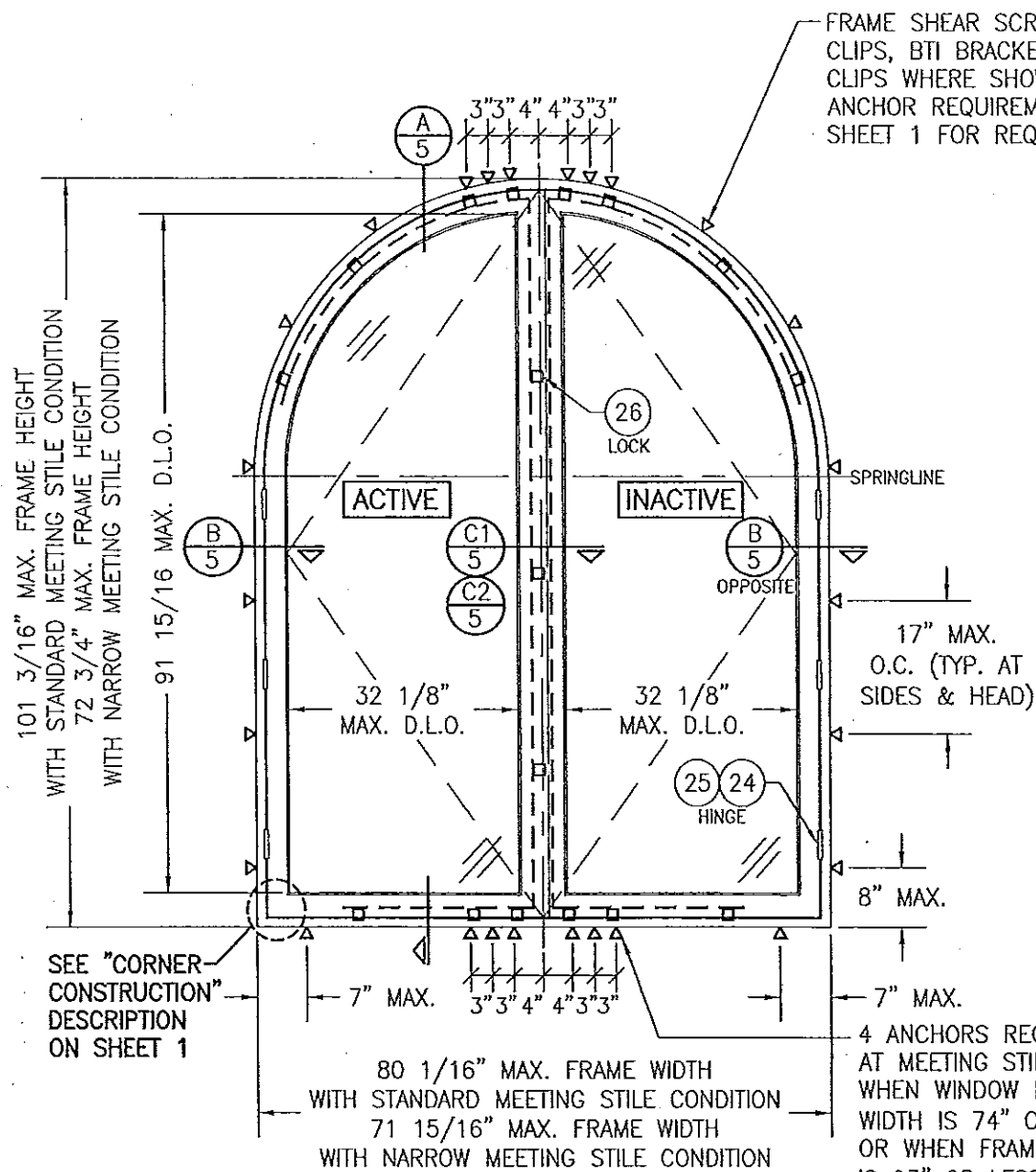
(1) THE "SASH HEIGHT" IS CONSIDERED TO BE FULL SASH HEIGHT FOR RECTANGULAR UNITS OR DISTANCE FROM THE BASE OF SASH TO SASH STRINGLINE FOR SHAPED UNITS

as complying with the Florida Building Code Acceptance No. 13-1105-08, with an expiration date of 08/20/19. By *Manuel Perez* Miami Dade Product Control

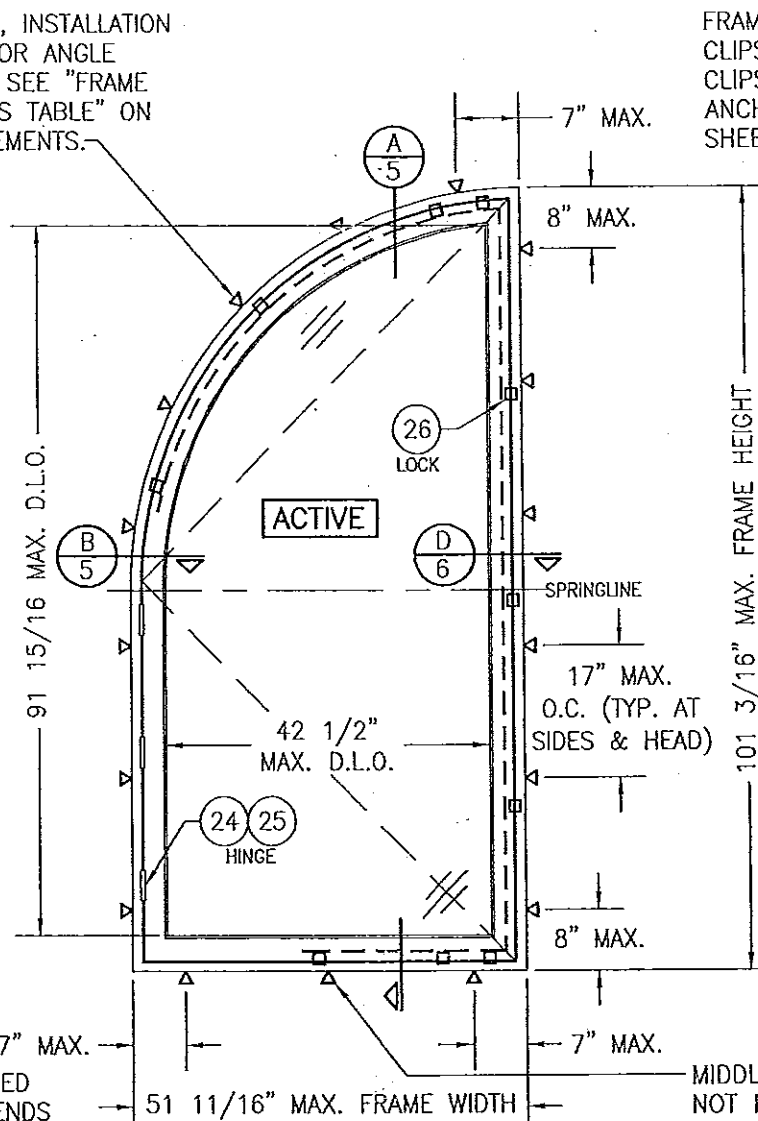
SEP 04 2013

WARREN W. SCHAEFER
LICENSE NO. 44135

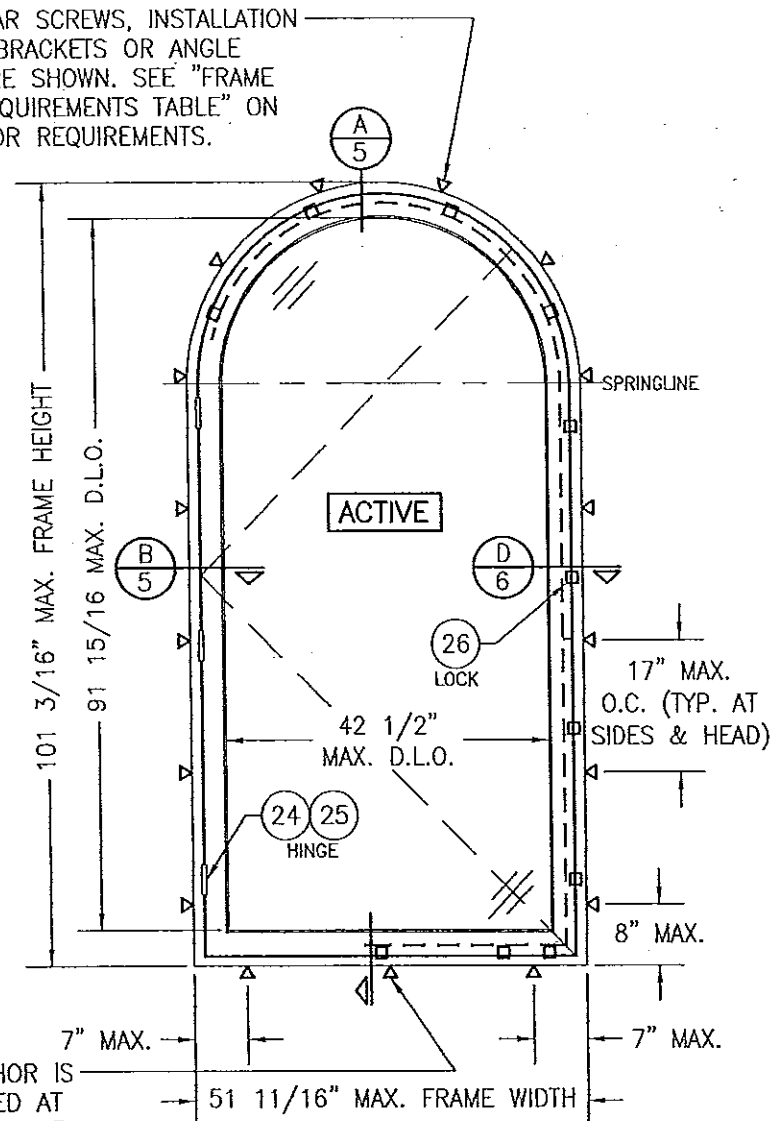
DRAWING NO. 1530		REV. B	
SHEET NO. 1		OF 10	
<p>MANUFACTURER: TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06307-6744-0600</p> <p>CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</p> <p>WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p>			



EXTERIOR ELEVATION:
DOUBLE HALF ROUND CASEMENT WINDOWS
SCALE: 1/2" = 1'-0"

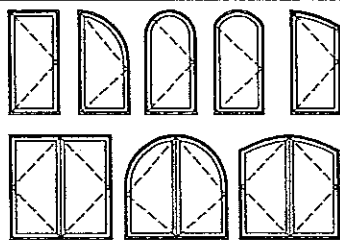


EXTERIOR ELEVATION:
SINGLE QUARTER ROUND CASEMENT WINDOW
SCALE: 1/2" = 1'-0"



EXTERIOR ELEVATION:
SINGLE HALF ROUND CASEMENT WINDOW
SCALE: 1/2" = 1'-0"

APPROVED SHAPES



NOTES:

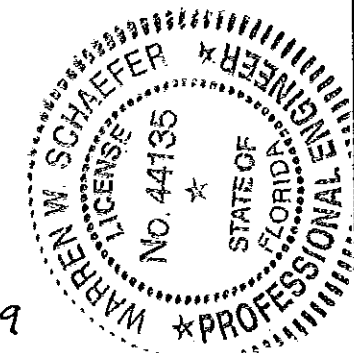
1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION AS DESCRIBED IN THIS DRAWING.
2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.

ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1

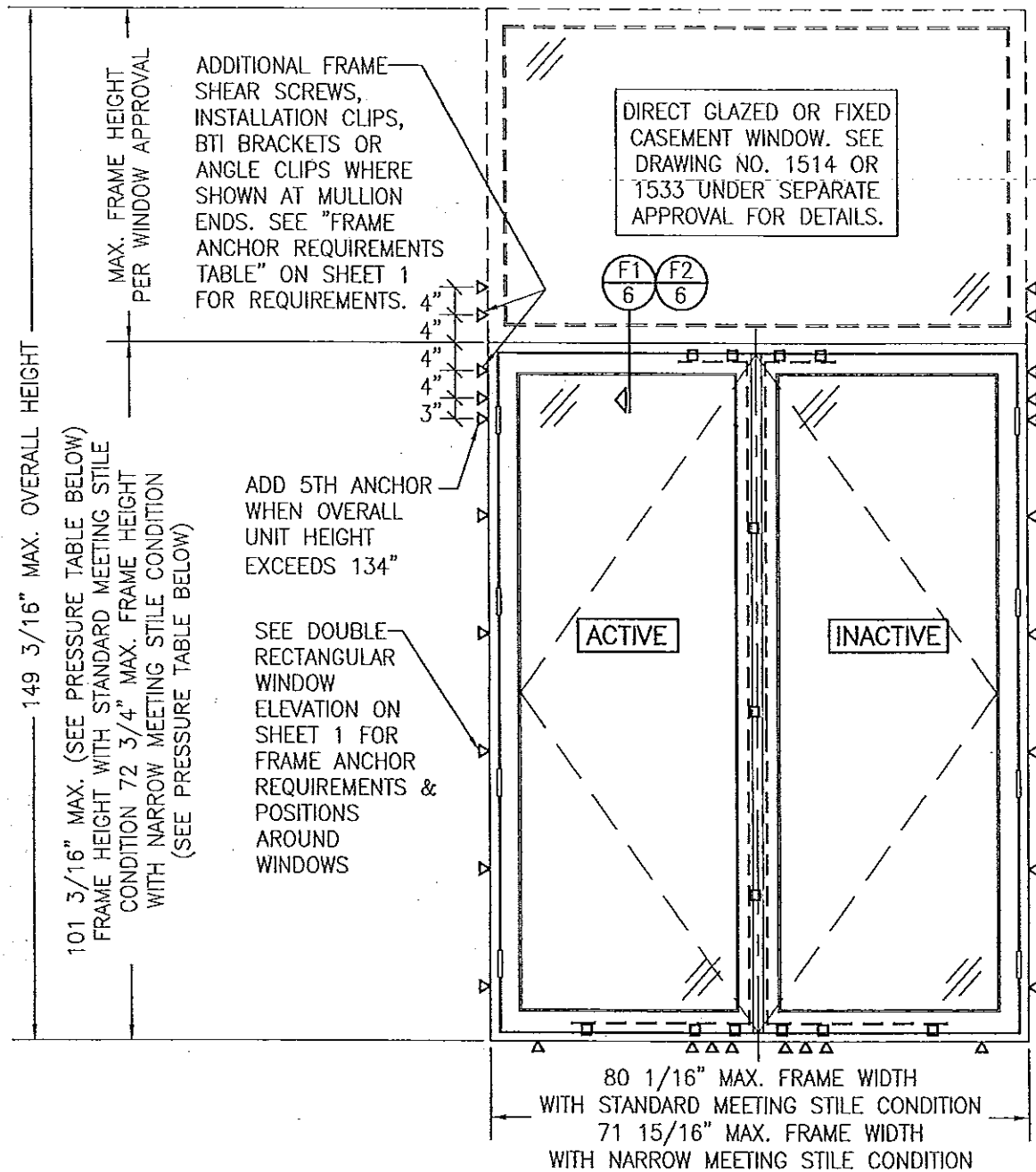
ANCHOR NOTE: ANCHOR SPACING AT THE HEAD OF ALL TYPES OF SHAPED WINDOWS MUST EQUAL THAT SPECIFIED AT THE SIDES (17" MAX. O.C.)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0428.22
Expiration Date 01/08/2019
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-1105.08
Expiration Date 12/2/2019
By *Manuel Perez*
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 01/03/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE OUT-SWING IMPACT WOOD CASEMENT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 203-674-0600	
CERTIFICATION SEP 04 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1530	
REV. B		SHEET NO. 2 OF 10	

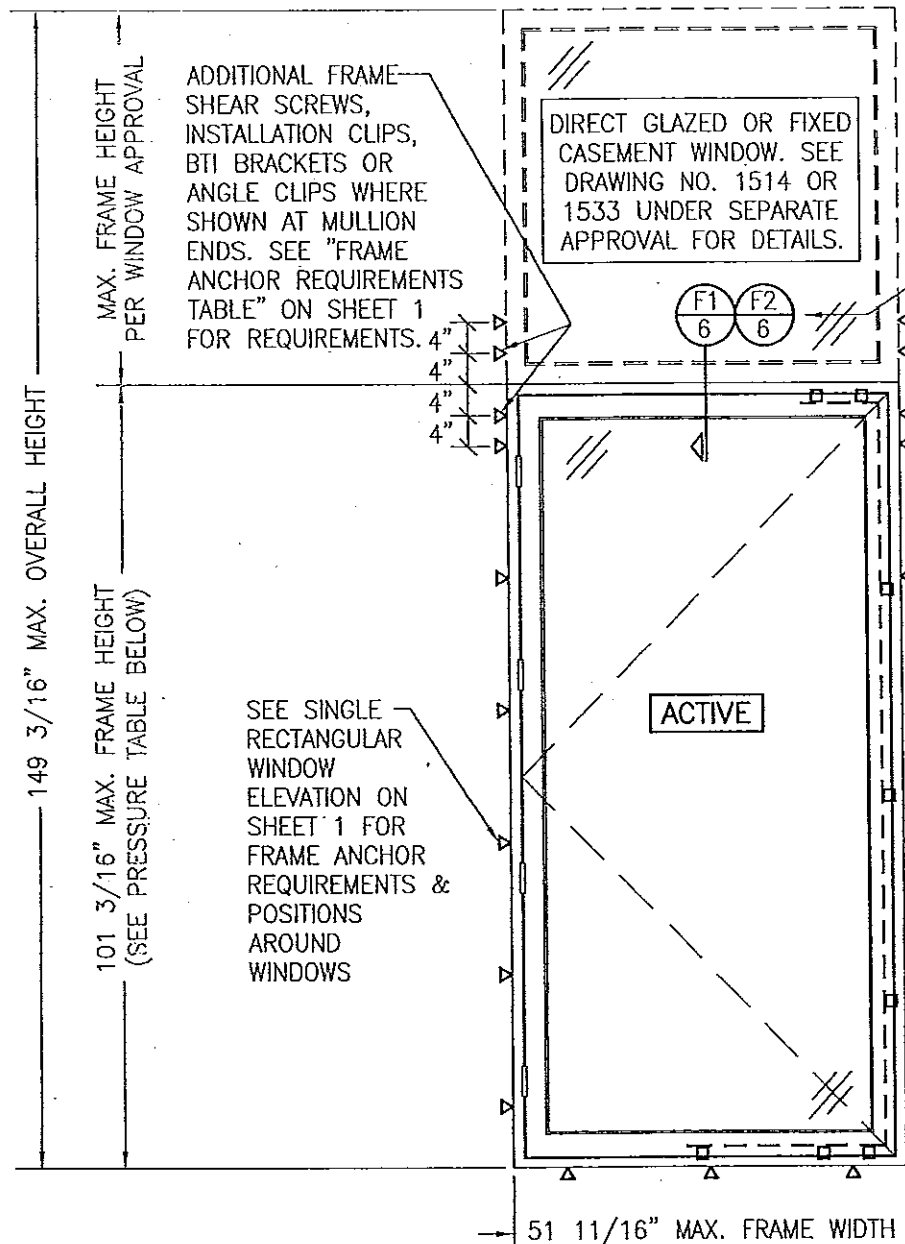


**EXTERIOR ELEVATION:
DOUBLE CASEMENT WINDOWS WITH TRANSOM**

SCALE: 1/2" = 1'-0"
(SEE DOUBLE RECTANGULAR WINDOW ELEVATION ON SHEET 1 FOR WINDOW DETAIL NOT SHOWN)

ALLOWABLE DESIGN PRESSURE (DOUBLE WINDOW TRANSOM UNIT)			
MAX. BOTTOM WINDOW FRAME HEIGHT (IN.)	MAX. FRAME WIDTH (IN.)	ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
101 3/16	80 1/16	70	70
77 3/16	72"	70	(1) 85

(1) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WHEN GLASS OPTION 2 & STANDARD SIZE MEETING STILES ARE USED



**EXTERIOR ELEVATION:
SINGLE CASEMENT WINDOW WITH TRANSOM**

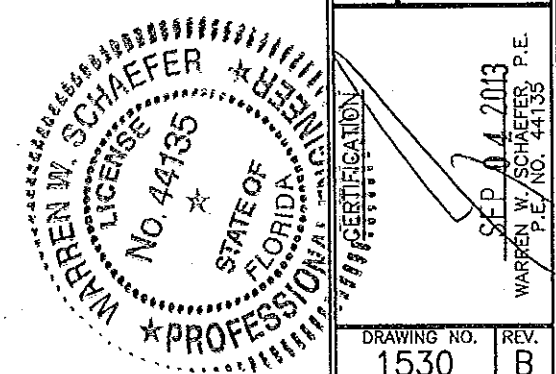
SCALE: 1/2" = 1'-0"
(SEE SINGLE RECTANGULAR WINDOW ELEVATION ON SHEET 1 FOR WINDOW DETAIL NOT SHOWN)

ALLOWABLE DESIGN PRESSURE (SINGLE WINDOW TRANSOM UNIT)			
MAX. BOTTOM WINDOW FRAME HEIGHT (IN.)	MAX. FRAME WIDTH (IN.)	ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
101 3/16	51 11/16	70	70
77 3/16	37 3/16	70	(1) 85

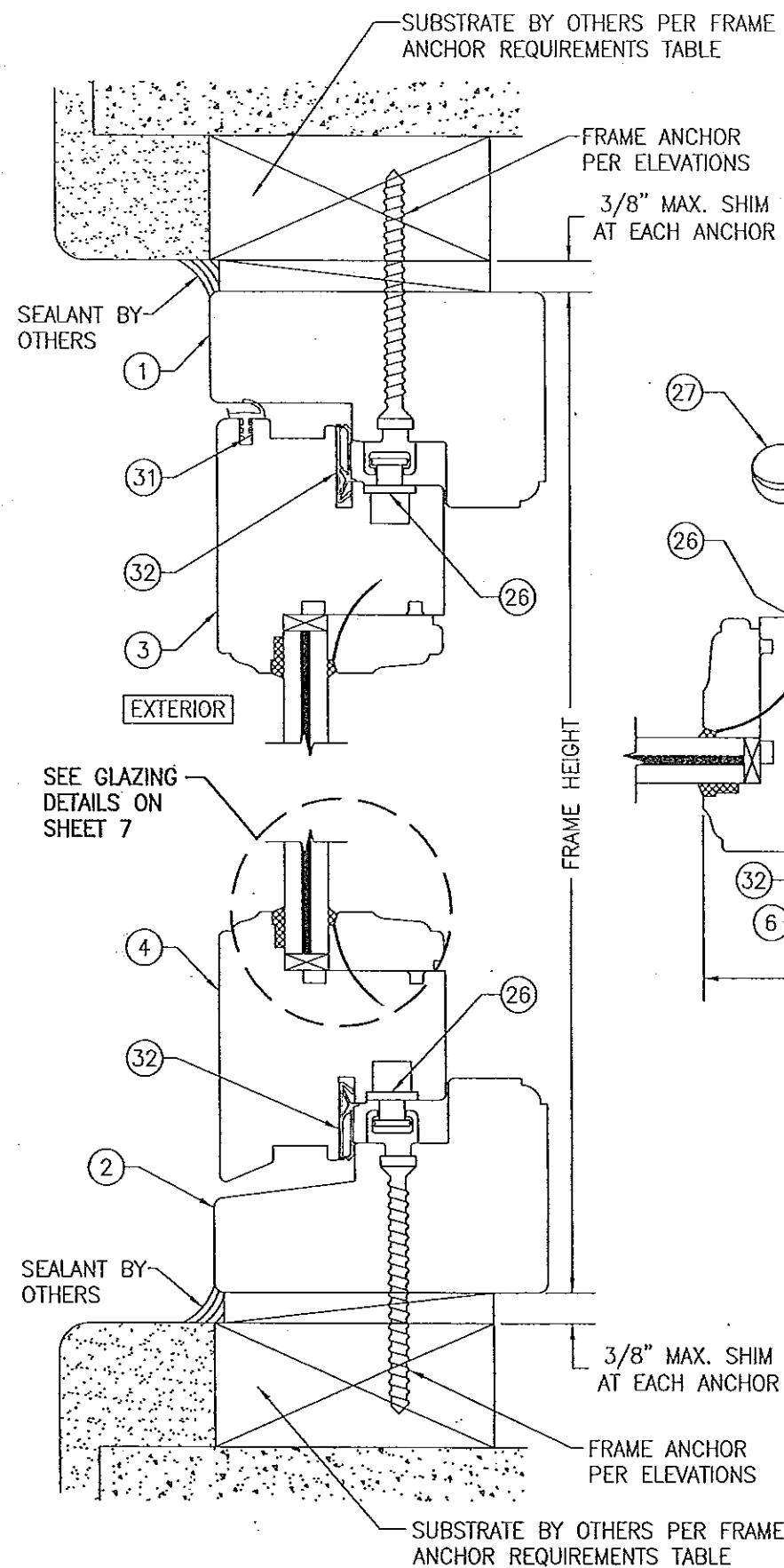
(1) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WHEN GLASS OPTION 2 & STANDARD SIZE MEETING STILES ARE USED

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 14-0428.22
Expiration Date 02/10/2019
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 13-1105.08
Expiration Date Jan 8, 2019
By *Manuel Perez*
Miami Dade Product Control

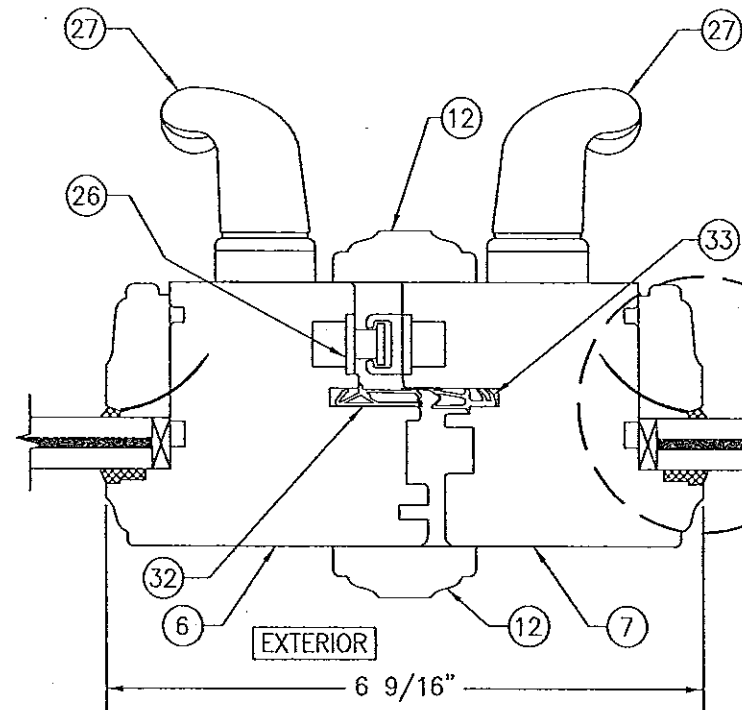


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 04/03/08	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: OUT-SWING IMPACT WOOD CASEMENT WINDOW			
MANUFACTURER: TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 203-674-0600			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING NO. 1530 SHEET NO. 3 OF 10			

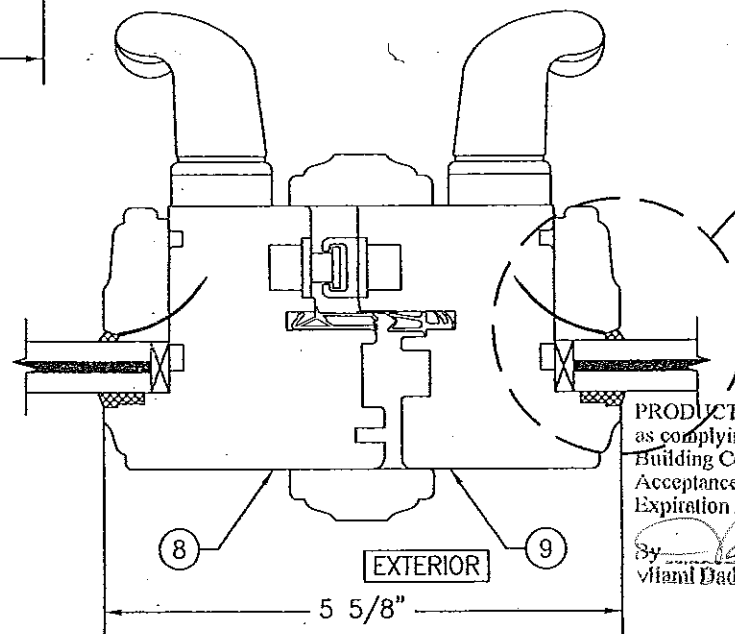


SECTION A
SCALE: 1/2 FULL

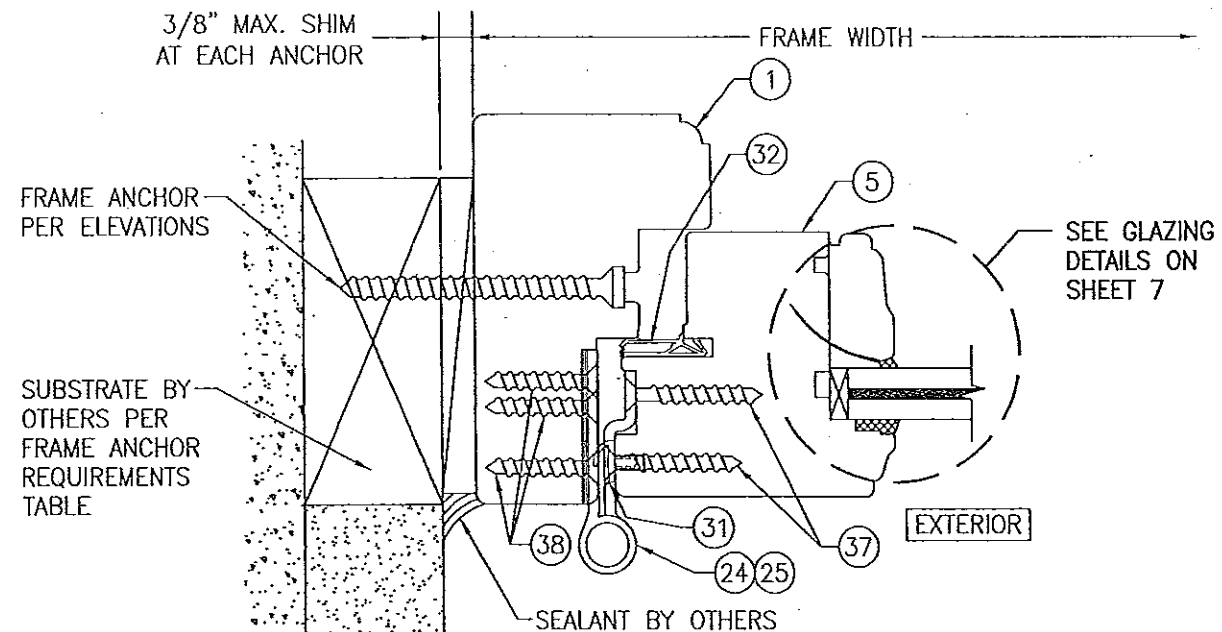
FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.



SECTION C1
SCALE: 1/2 FULL
(STANDARD MEETING STILE CONDITION)



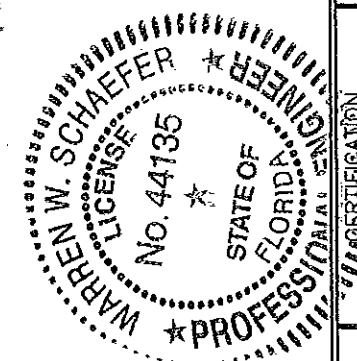
SECTION C2
SCALE: 1/2 FULL
(NARROW MEETING STILE CONDITION)
(FOR DETAIL NOT SHOWN, SEE SECTION C1/5)



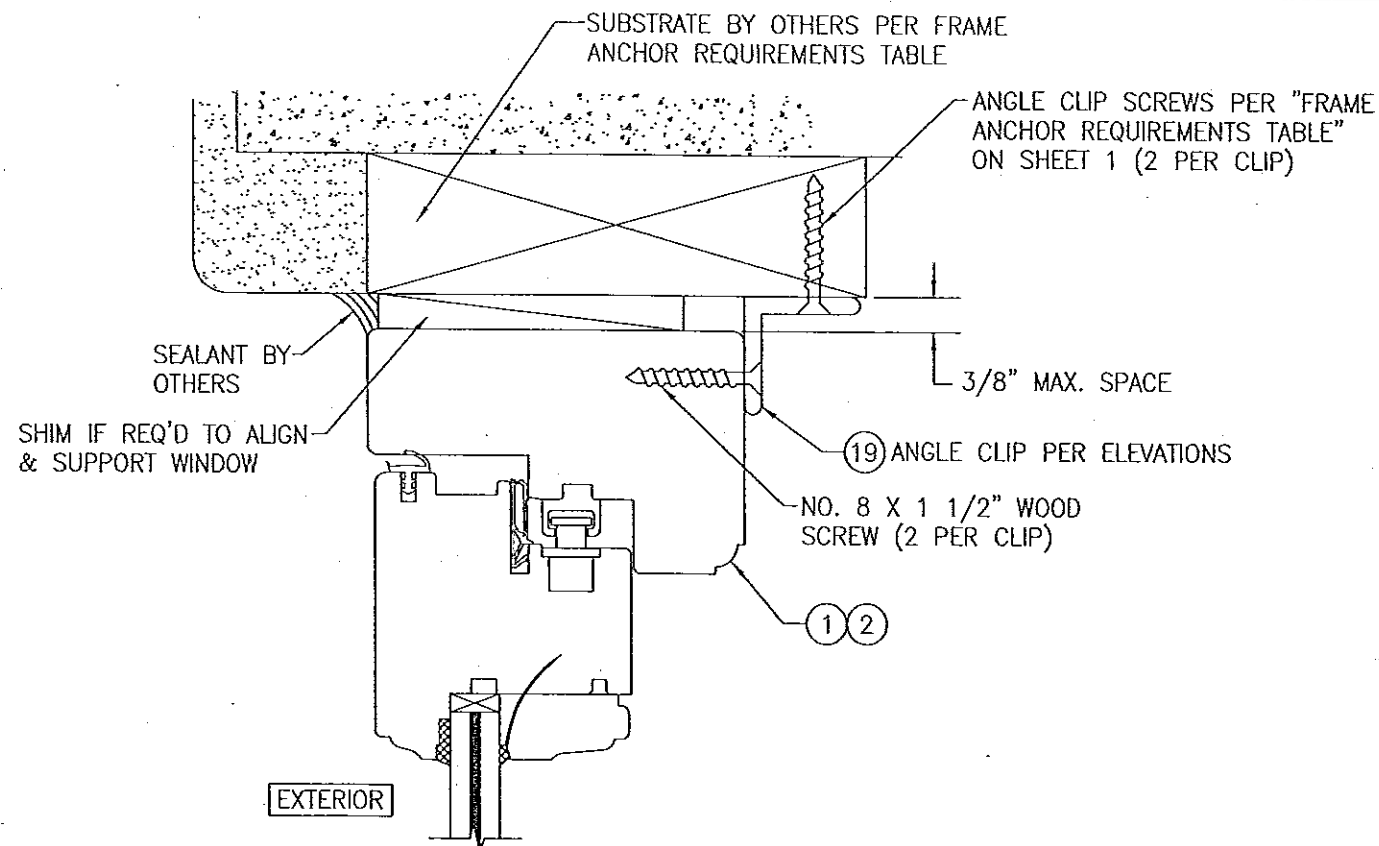
SECTION B
SCALE: 1/2 FULL
FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS. (MORTISED BUTT HINGE CONDITIONS SHOWN, SURFACE MOUNT BUTT HINGE CONDITIONS ALSO APPLY)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0428.22
Expiration Date 01/08/2019
By *Warren W. Schaefer*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-1105.08
Expiration Date Jan. 3, 2019
By *Warren W. Schaefer*
Miami Dade Product Control

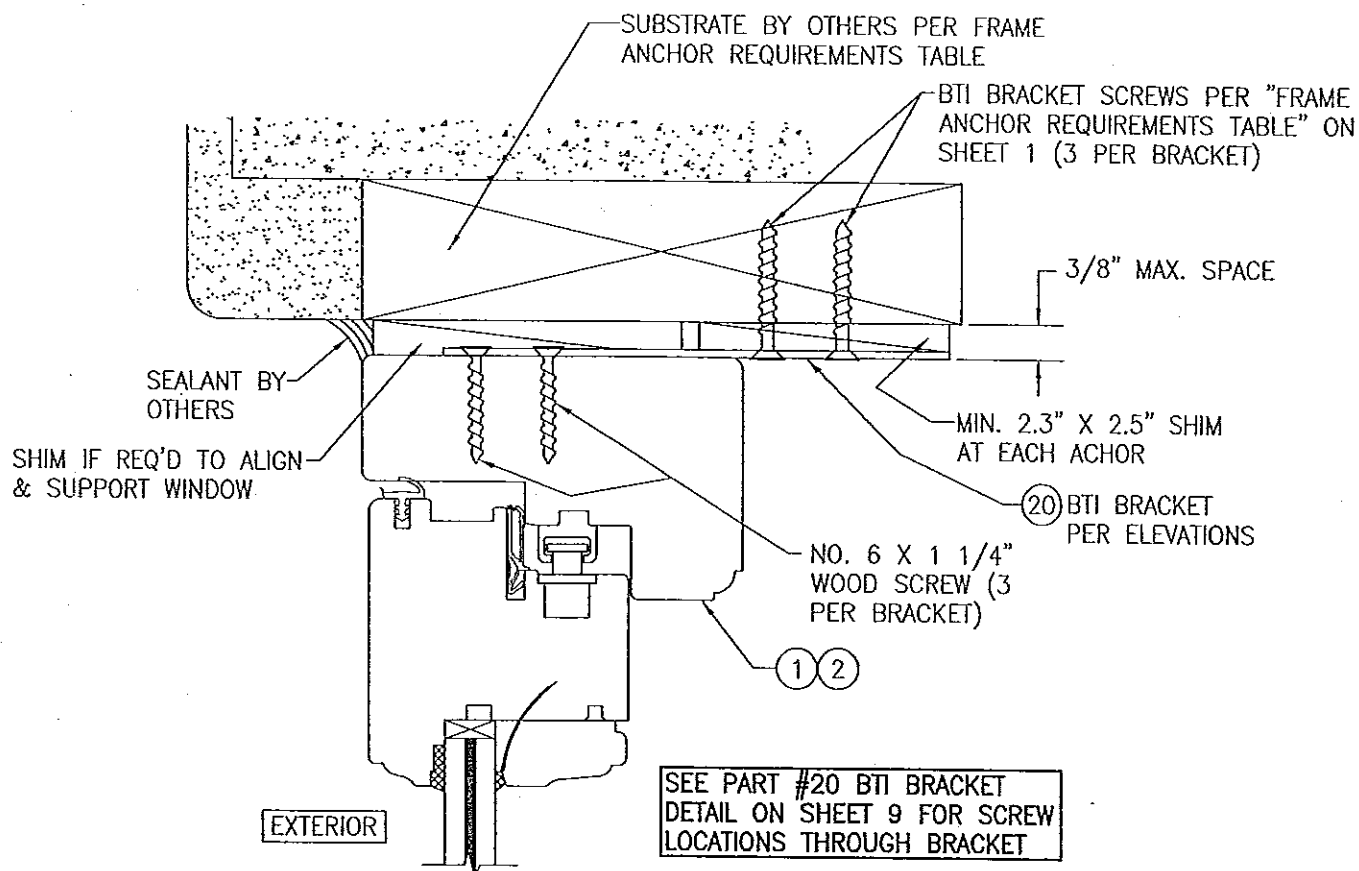


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 04/03/08	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: OUT-SWING IMPACT WOOD CASEMENT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER: TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 203-674-0600	
SEP 04 2013		REV. B	
DRAWING NO. 1530		SHEET NO. 5 OF 10	



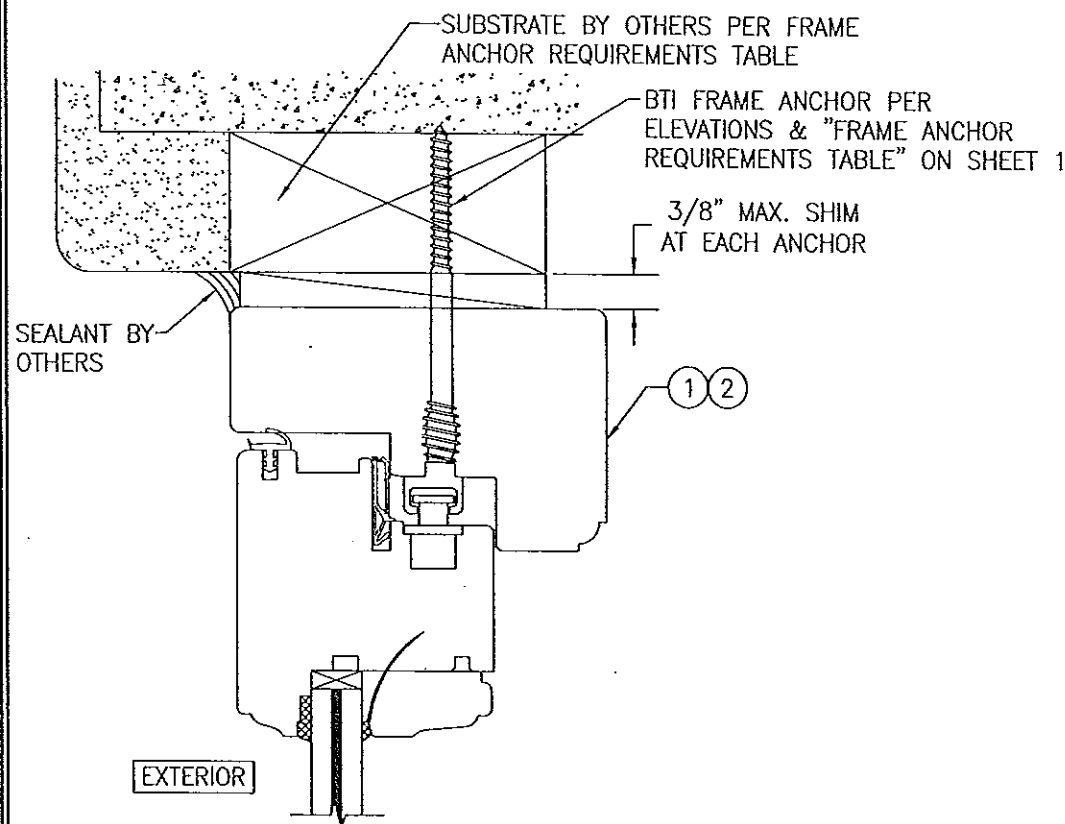
OPTIONAL INSTALLATION ANGLE CLIP DETAIL

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



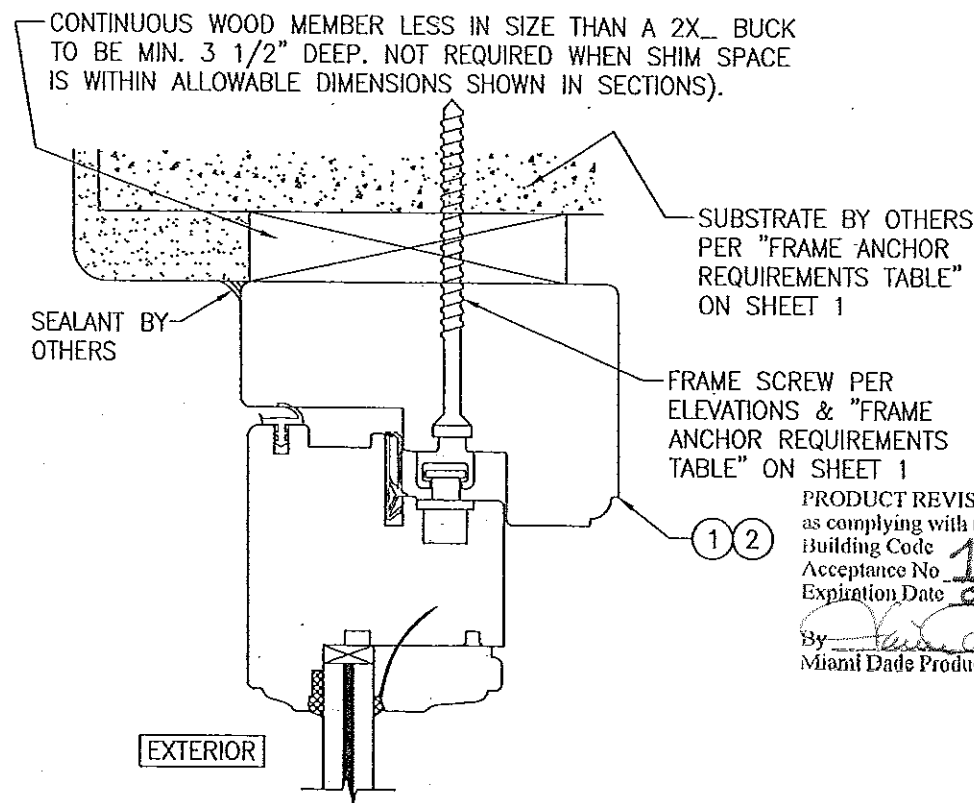
OPTIONAL INSTALLATION BTI BRACKET DETAIL

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL BTI SCREW DETAIL

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

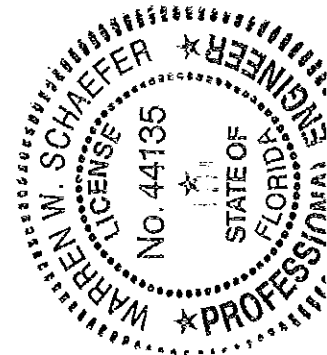


OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

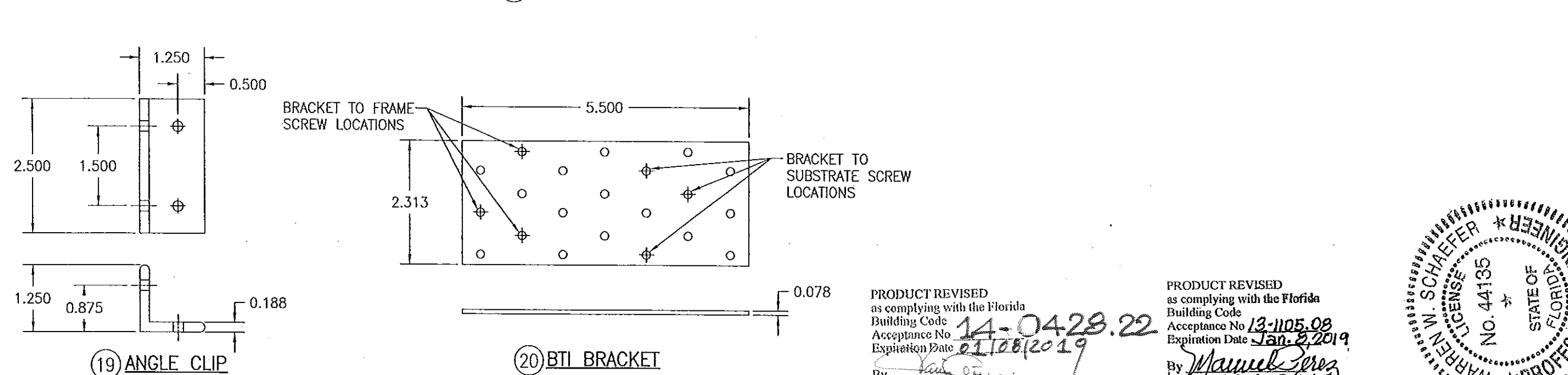
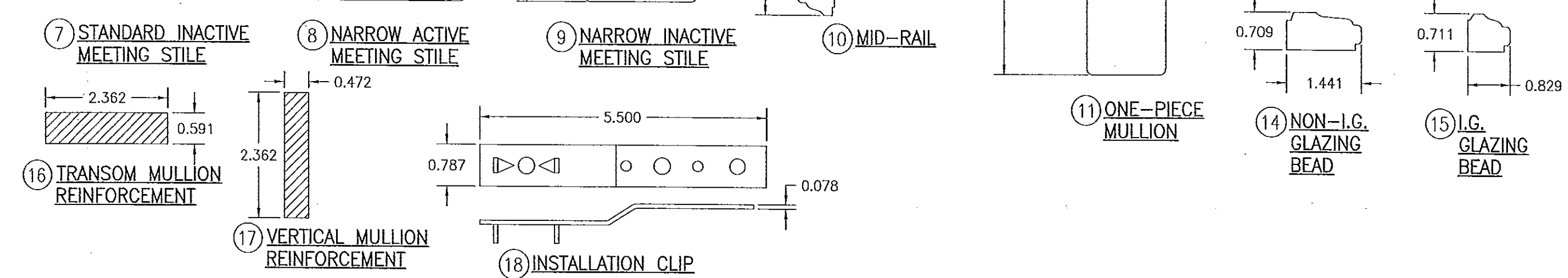
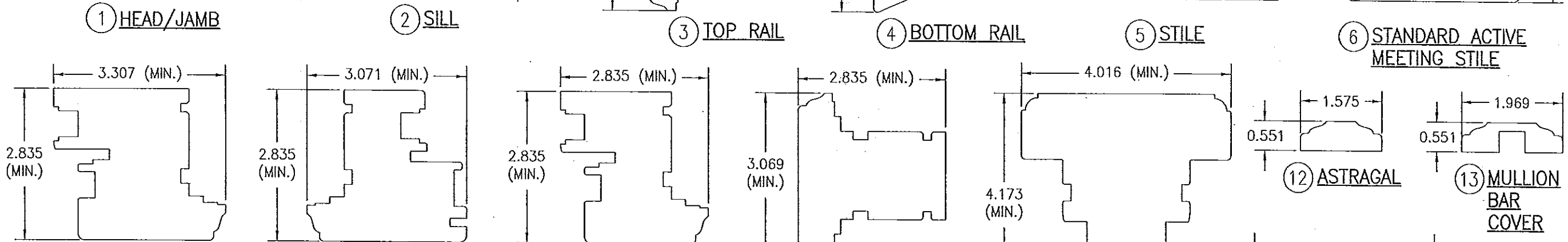
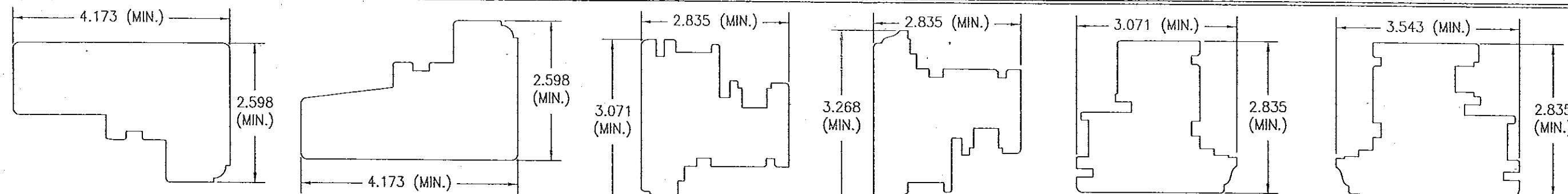
(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0428.22
Expiration Date 01/08/2019
By *Manuel Jerez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-1105.08
Expiration Date Jan. 5, 2019
By *Manuel Jerez*
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 04/03/08	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: OUT-SWING IMPACT WOOD CASEMENT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: TISCHLER UND SOHN (USA) LTD.	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL. 33418 PHONE: 561-744-3424		SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 203-674-0600	
SEP 04 2013		REV. B	
DRAWING NO. 1530		SHEET NO. 8 OF 10	

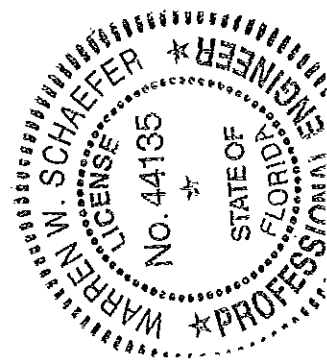


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 04/03/08	
NO.	REVISION	DESCRIPTION	DATE
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DRAWING TITLE: OUT-SWING IMPACT WOOD CASEMENT WINDOW

MANUFACTURER: TISCHLER UND SOHN (USA) LTD.
SIX SUBURBAN AVENUE
STAMFORD, CONNECTICUT
203-674-0600

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424



PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 13-1105.08
Expiration Date Jan. 2, 2019
By: *Manuel Perez*
Miami Dade Product Control

DRAWING NO. 1530
REV. B
SHEET NO. 9 OF 10

